

REMARKS

Independent claims 15 and 25 have each been amended to emphasize that the instant invention is directed to a long distance, megawatt power transmission and distribution network in which each of the solid state switching networks, as well as the transformer, is a high kilovolt device. As explained on page 1 of this specification, this invention is directed to high voltage electrical power transmissions on the order of 128 kilovolts and higher over large distances.

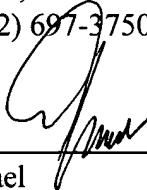
By contrast, the principal reference, U.S. Patent No. 5,942,884 to Soar relates to a power supply operable for stepping down a mains voltage, for example 240 volts AC, to a reduced voltage for powering domestic apparatus, such as a computer. Soar is not concerned with long distance power transmission, does not deal with megawatts of power, and does not use a kilovolt transformer or a kilovolt switching network. Soar is related to a different field and is not a pertinent reference.

As for U.S. Patent No. 6,404,655 to Welches, this reference discloses a transformerless, three phase, power supply. The regulation means of Fig. 1 takes current feedback 120 and phase feedback 130 into account to drive an inverter, three phase, IGBT bridge 40. It cannot drive a solid state switching network.

Wherefore, a favorable action is earnestly solicited.

Respectfully submitted,

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